

**McLennan**  
C O M M U N I T Y  
**COLLEGE**

WACO, TEXAS

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**COURSE SYLLABUS**  
**AND**  
**INSTRUCTOR PLAN**

**Health Care Concepts II - RNSG 1533.01**

**T. Rutherford, Dr. A. Winslow, T. Martin**

**NOTE: This is a 16-week course.**

**COVID 19 Notice:**

McLennan Community College is committed to providing you with every resource you need to reach your academic goals including your safety. We will continue to monitor the evolving situation with COVID 19 and adjust our safety guidelines to make sure we offer a safe environment for you and our faculty. Please make sure to consult your faculty and the MCC website on any changes to these guidelines.

## Health Care Concepts II

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### **Course Description:**

In-depth coverage of health care concepts with application through selected exemplars. Concepts include acid base balance, clotting, comfort, elimination, fluid and electrolyte balance, gas exchange, immunity, metabolism, nutrition, perfusion, cognition, and coping. Provides continuing opportunities for development of clinical judgment skills. The course lends itself to a concept-based approach.

### **Prerequisites and/or Corequisites:**

Prerequisites: Completion of Level I in the ADN program and BIOL 2402 with a grade of C.

Co-requisite: RNSG 1126, 2362, BIOL 2420

### **Course Notes and Instructor Recommendations:**

Supplemental and lecture notes may be posted to Brightspace at the discretion of the instructor. It is recommended that the student check Brightspace and student email daily.

### **Instructor Information:**

Instructor Name: Tamara Rutherford MSN, RN

MCC E-mail: [trutherford@mcclennan.edu](mailto:trutherford@mcclennan.edu)

Office Phone Number: 254-299-8479

Office Location: HPN 119

Office/Teacher Conference Hours:   Wednesday 0800-0900, 1300-1500  
  Thursday 0800-0900, 1100-1200

Instructor Name: Amy Winslow, DNP, RN, C-PNP

MCC E-mail: [awinslow@mcclennan.edu](mailto:awinslow@mcclennan.edu)

Office Phone Number: 254-299-8395

Office Location: HPN 109

Office /Teacher Conference Hours:   Wednesday 0800-0900  
  Thursday 0800-0900, 1100-1400

Instructor Name: Tim Martin, MSN, RN, CEN

MCC E-mail: [tbmartin@mcclennan.edu](mailto:tbmartin@mcclennan.edu)

Office Phone Number: 254-299-8353

Office Location: HPN 122

Office /Teacher Conference Hours:   Wednesday 0800-0900, 1300-1600  
  Thursday 0800-0900

**Required Text & Materials:**

Check your Evolve password and make sure you can log in at the start of the course, as well as to any other required websites and apps. If you cannot sign in then check with the appropriate technical support.

<https://evolve.elsevier.com/>

[https://www.bon.texas.gov/laws\\_and\\_rules\\_nursing\\_practice\\_act.asp.html](https://www.bon.texas.gov/laws_and_rules_nursing_practice_act.asp.html)

[MCC Bookstore Website](#)

Saunders Nursing Drug Handbook (Hardcopy)

**Methods of Teaching and Learning:**

Lecture, discussion groups, group projects, simulation lab exercises, projects, service learning assignments, student performances/presentations, written reports/papers, exams, and quizzes.

**Course Objectives and/or Competencies:**

Upon completion of this course the student will:

1. Utilize a systematic process to analyze selected health care concepts for diverse patients across the lifespan. (SLO #4)
2. Describe nursing management for selected health care concepts.(SLO #3,5,6)
3. Apply the learned concepts to other concepts or exemplars. (SLO #1,2,5,7)
4. Describe the interrelatedness between health care concepts to assist in developing clinical judgment. (SLO #1)

**Course Outline or Schedule:**

Refer to the calendar and Brightspace for specific dates, times and assigned activities.

**RNSG 1533: Concepts with exemplars:**

Acid Base Balance

- Respiratory Alkalosis
  - Hyperventilation (Birthing Mother, Panic Attack)
- Metabolic Alkalosis
  - Gastrointestinal Losses (Pediatric-Pyloric Stenosis)
- Respiratory Acidosis
  - Drug Overdose with Hypoventilation
- Metabolic Acidosis
  - DKA

Clotting

- Hemophilia
- Deep Vein Thrombosis (DVT)

Comfort

- Sickle Cell Anemia (Chronic Pain, Acute Exacerbations)
- Post-Operative Pain: Abdominal Surgery (Acute Pain)
- Renal Calculi (Acute Pain)

Elimination

- Diverticulitis
- Paralytic Ileus – Bowel Obstruction
- Neurogenic Bladder – Spastic

Fluid & Electrolyte Balance

- Dehydration – Gastroenteritis
  - Elderly and Pediatrics
- Extracellular Fluid Volume Excess
- Hypocalcemia
- Hypercalcemia
- Hypokalemia
- Hyperkalemia - Chronic Renal Failure
- Hyponatremia - Syndrome of Antidiuretic Hormone (SIADH)
- Hypernatremia – Diabetes Insipidus (DI)
- Hypophosphatemia
- Hyperphosphatemia
- Hypomagnesemia
- Hypermagnesemia

Gas Exchange

- Asthma
- Chronic Obstructive Pulmonary Disease (COPD)
- Pneumonia (including aspiration)
- RSV/Bronchiolitis (Pedi)
- Tracheoesophageal Fistula

Immunity

- Vaccines
- Otitis media
- Cellulitis
- Appendicitis
- Trauma-sprain
- Urinary Tract Infection
- Osteomyelitis

Metabolism

- Diabetes Type 1 and Type 2
- Gestational Diabetes
- Diabetic Diet
- Graves' Disease – Hyperthyroidism
- Hypothyroidism

Nutrition

- Malnutrition (Introduce Parenteral Nutrition)
- Peptic Ulcer Disease (PUD)
- Gastroesophageal Reflux Disease (GERD)
- Malabsorption Syndromes Infant & Elderly (Gastrostomy and Enteral Feedings)
- Starvation – Failure to Thrive
- Infant Nutrition (Breast/Bottle)

Perfusion

- Basic ECG Rhythms
- Congestive Heart Failure
- Hypertension
- Gestational Hypertension
- Mitral Valve Prolapse
- Coronary Artery Disease (CAD)
- Peripheral Vascular Disease (PVD)
- Heart Healthy Diet

Cognition

- Alzheimer's Disease/Dementia
- Delirium

Coping

- Anxiety
  - Generalized Anxiety Disorder
  - Panic Disorder (Attack)
  - Obsessive Compulsive Disorder
  - Eating Disorders
    - Anorexia Nervosa
    - Bulimia
  - Phobia
- Stress
  - Separation Anxiety (Developmental)
  - Post-Traumatic Stress Disorder
  - Physical Response/Disease
  - Lifespan Response
- Substance Abuse/Addictive Behaviors
  - Alcoholism
  - Opioid Epidemic
  - Maternal/Fetal Cocaine Addiction
  - Neonatal Abstinence Syndrome (Withdrawal)

**Course Grading Information:**

A grade of "C" or better in theory courses and a grade of Credit in clinical is required to pass the course. The student will take four quizzes, four unit exams, a final exam, a HESI exam. Students are required to participate in assigned activities which include: **reading all assigned materials before class attendance**, participating in discussion, attending learning labs, and completing online modules. The grading breakdown is as follows:

Concept Quizzes (4):	0.5% each, for 2% total
Unit Exams (1-4):	19.5% each
HESI Final Exam:	20%

Concept quizzes will be administered during one of the lecture or learning lab periods for each of the following four concepts: **Metabolism, Perfusion, Fluid and Electrolyte Balance, and Gas Exchange**. Questions will come from the readings and online learning activities assigned for each concept. Students are expected to have completed all readings and activities on the first day

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of lecture for each concept; it is possible that the quiz will take place for any given concept before any lecture material is delivered. If a student is absent on the day a quiz is taken, they may make up one quiz at the end of the semester; this make-up quiz will be cumulative over all the content for the semester. If a student misses more than one quiz, they will receive a zero for the additional quiz or quizzes missed.

The HESI exam grade will come from the HESI #1 grade. If the HESI retake is taken by the student for due to failure to achieve the benchmark on the first HESI, the grade earned will not replace the HESI #1 grade in the course grade calculation.

### **Grade Calculations**

All unit exams are calculated by a percentage computed to two decimal places. Exam grades will be figured to the tenth. The final exam for the course will be computed to two decimal places. The final course grade will be rounded off to a whole number.

The grading system used follows:

- 90 – 100 = A
- 80 – 89 = B
- 75 – 79 = C
- 65 – 74 = D
- Below 65 = F

### **HESI Policy Levels 1 – 3**

Levels 1, 2, & 3 and the Transition (TADN) Associate Degree Nursing Program utilize the HESI Next Gen platform for student testing and remediation. The HESI conversion score (Final Exam Grade) will be averaged with other major exams in the class per the IP/Syllabi.

The HESI Benchmark for each level will be: **Level 1 = 800, Level 2 and TADN= 850, Level 3 = 875**

- **HESI 1 will be administered to the class per the course calendar.**
  - The conversion score on HESI 1 will be assigned **as the final exam grade.**
  - If a student is passing all other aspects of the class and meets the benchmark score, the final grade will be assigned per the MCC calendar and the student will be encouraged to complete HESI NGN remediation packets that are assigned within the HESI System before progressing to the next level.\*
  - If a student is failing the class after the HESI 1 conversion score (final exam grade) is recorded, that student will fail the course. Students who do not pass a course are encouraged to complete HESI remediation. The grade earned in the

class will be recorded and the student will be subject to any and all progression, reapplication, and readmissions (if eligible) policies.

- If a student has a passing average in the class but fails to meet the benchmark on the HESI Exam (L1= 800, L2 & TADN = 850, L3 = 875), the student will be required to complete the assigned remediation packets within the HESI system. The assigned remediation **must be completed and submitted before the scheduled HESI 2 testing date** per the course calendar and faculty instructions.

- **HESI 2 will be administered per the course calendar.**

- Students who fail to complete HESI 1 remediation will not be permitted to take HESI 2, resulting in a grade of “F” for the course due to non-completion of course requirements.
- Students who fail to achieve the benchmark score on HESI 2 (L1= 800, L2 & TADN = 850, L3 = 875), will be required to complete the remediation packets and Case Studies within the HESI system by the date set in the course calendar but no later than 1 week after the administration of HESI 2.
- Failure to complete all of the assigned HESI remediation by the faculty-assigned date will result in failure of the course. A grade of “F” will be assigned regardless of average in the class Due to failure to complete course requirements.
- If final course grades have been posted per MCC calendar, a grade of Incomplete (“I”) will be assigned. Final numeric/letter grade will be assigned when remediation completion is verified.
- If completion of remediation will occur after the deadline for re-admission applications, students remediating for HESI 2 will be expected to reapply to the program.

- **HESI Remediation for Levels 1,2, TADN, and 3**

- All remediation packets must be opened and reviewed
  - It is highly recommended to set a timer and spend the suggested time in each packet – concentrating on those with longer timeframes, higher placement, and more information.
- All assigned Case Studies in the HESI NGN system must be completed with a score of 80% on each.



- Must first complete all remediation packets – Before attempting case studies.
- If 80% is not achieved on the first attempt, students must contact faculty advisor to review concepts.
- Subsequent attempts on HESI Case Studies may be allowed by the NGN portal with permission from Faculty Advisor, Success Coach, or Program Director.

**All progression, re-application, and readmission policies apply**

The Exit HESI Policy for Level 4 (benchmark score = 900) can be found under the Exit Testing heading.

*\*All nursing courses must be taken concurrently. Passing the class in which HESI is administered does not automatically allow the student progress. ALL courses in each level must be passed for progression to occur.*

**Late Work, Attendance, and Make Up Work Policies:**

All assignments must be completed in order to receive credit for the course. Late work will result in a loss of 10% of the grade per day the work is late. Please refer to the student handbook to review the late work policy.

**Student Behavioral Expectations or Conduct Policy:**

Students are expected to be in class, on time. It is not possible to be successful in this course without regular and consistent lecture and learning lab attendance and participation. MCC policy states that if a student is absent for more than 25% of the scheduled class time, the instructor can assume that the student does not intend to complete the course and may drop the student at their discretion. Lecture and Learning Lab hours are both included in the calculation of absences.

For security reasons and according to MCC campus pol, the **doors to the classroom will remain locked from the outside and will remain locked after class starts.** If the student cannot be in the classroom by the time class starts, or if the student must leave the classroom for an emergency, the student will quietly pick up course materials and leave the classroom. Since the doors are locked from the outside, the student will not be able to come back into the class. **The students' cooperation is required and appreciated.** Students will be allowed entry/re-entry into class at break times.

**Professional Expectations:**

1. Be on time and remain throughout class. Arrive at least 10 minutes prior to class starting.

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2. Be in class every day and ready to learn. Should some unforeseen incident occur preventing your attendance, contact your instructor.
3. Be a professional. Maintain a professional attitude and be positive. Maintain classroom civility which includes respect for other students and for the faculty. Civility is expected in all verbal and electronic interactions with peers, professors, and college administrators.
4. Know your course expectations. Read your concept syllabi and course instructional plans, check your course calendar, the learning management system (Brightspace), and MCC email daily.
5. Collegiality: Be a positive and productive influence in your work/learning environment, communicating and working professionally, safely, and legally.
6. Know your ethical responsibility to your chosen profession and the public you will serve.
7. Collaboration: As a professional you will collaborate with clients, their families, and other professionals in the health career arena. Be positive, civil, and open to new ideas and research to promote the healing environment.
8. Additional student behavioral expectations are in the ADN Student Handbook.

### Reference:

Billings, D. M., Halstead, J. A., (2016). *Teaching in Nursing: A guide for faculty*. St. Louis, MO. Elsevier. 14:236.

[Click Here for the MCC Attendance/Absences Policy](https://www.mclennan.edu/highlander-guide/policies.html)  
(<https://www.mclennan.edu/highlander-guide/policies.html>)

Click on the link above for the college policies on attendance and absences. Your instructor may have additional guidelines specific to this course.

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## ACADEMIC RESOURCES/POLICIES

### **Accommodations/ADA Statement:**

Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. For additional information, please visit [www.mclennan.edu/disability](http://www.mclennan.edu/disability).

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

[disabilities@mclennan.edu](mailto:disabilities@mclennan.edu)

254-299-8122

Room 319, Student Services Center

### **Title IX:**

We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the Title IX Coordinator at [titleix@mclennan.edu](mailto:titleix@mclennan.edu) or by calling Dr. Drew Canham (Chief of Staff for Diversity, Equity & Inclusion/Title IX) at (254) 299-8645. Individuals also may contact the MCC Police Department at 299-8911 or the MCC Student Counseling Center at MCC at (254) 299-8210. The MCC Student Counseling Center is a confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting <http://www.lighthouse-services.com/mclennan/>.

Go to McLennan's Title IX webpage at [www.mclennan.edu/titleix/](http://www.mclennan.edu/titleix/). It contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence, or domestic violence.

**Student Support/Resources:**

MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at <http://www.mclennan.edu/campus-resource-guide/>

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources or want to explore strategies for balancing life and school, we encourage you to contact a Success Coach by calling (254) 299-8226 or emailing [SuccessCoach@mclennan.edu](mailto:SuccessCoach@mclennan.edu). Students may visit the Completion Center Monday-Friday from 8 a.m.-5 p.m. to schedule a meeting with a Success Coach and receive additional resources and support to help reach academic and personal goals. Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff based on household size. Text (254) 870-7573 to schedule a pantry appointment. The Completion Center and pantry are located on the Second Floor of the Student Services Center (SSC).

**MCC Foundation Emergency Grant Fund:**

Unanticipated expenses, such as car repairs, medical bills, housing, or job loss can affect us all. Should an unexpected expense arise, the MCC Foundation has an emergency grant fund that may be able to assist you. Please go to <https://www.mclennan.edu/foundation/scholarships-and-resources/emergencygrant.html> to find out more about the emergency grant. The application can be found at [https://www.mclennan.edu/foundation/docs/Emergency\\_Grant\\_Application.pdf](https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf).

**MCC Academic Integrity Statement:**

Go to [www.mclennan.edu/academic-integrity](http://www.mclennan.edu/academic-integrity) for information about academic integrity, dishonesty, and cheating.

**Minimum System Requirements to Utilize MCC's D2L|Brightspace:**

Go to <https://www.mclennan.edu/center-for-teaching-and-learning/Faculty-and-Staff-Commons/requirements.html> for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

**Minimum Technical Skills:**

Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

**Backup Plan for Technology:**

In the event MCC's technology systems are down, you will be notified via your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

**Email Policy:**

McLennan Community College would like to remind you of the policy (<http://www.mclennan.edu/employees/policy-manual/docs/E-XXXI-B.pdf>) regarding college email. All students, faculty, and staff are encouraged to use their McLennan email addresses when conducting college business.

A student's McLennan email address is the preferred email address that college employees should use for official college information or business. Students are expected to read and, if needed, respond in a timely manner to college emails. For more information about your student email account, go to [www.mclennan.edu/student-email](http://www.mclennan.edu/student-email).

**Instructional Uses of Email:**

Faculty members can determine classroom use of email or electronic communications. Faculty should expect and encourage students to check the college email on a regular basis. Faculty should inform students in the course syllabus if another communication method is to be used and of any special or unusual expectations for electronic communications.

If a faculty member prefers not to communicate by email with their students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

**Email on Mobile Devices:**

The College recommends that you set up your mobile device to receive McLennan emails. If you need assistance with set-up, you may email [Helpdesk@mclennan.edu](mailto:Helpdesk@mclennan.edu) for help.

You can find help on the McLennan website about connecting your McLennan email account to your mobile device:

- [Email Setup for iPhones and iPads](https://support.microsoft.com/en-us/office/set-up-an-outlook-account-in-the-ios-mail-app-b2de2161-cc1d-49ef-9ef9-81acd1c8e234?ui=en-us&rs=en-us&ad=us) (https://support.microsoft.com/en-us/office/set-up-an-outlook-account-in-the-ios-mail-app-b2de2161-cc1d-49ef-9ef9-81acd1c8e234?ui=en-us&rs=en-us&ad=us)
- [Email Setup for Androids](https://support.microsoft.com/en-us/office/set-up-email-in-android-email-app-71147974-7aca-491b-978a-ab15e360434c?ui=en-us&rs=en-us&ad=us) (https://support.microsoft.com/en-us/office/set-up-email-in-android-email-app-71147974-7aca-491b-978a-ab15e360434c?ui=en-us&rs=en-us&ad=us)

**Forwarding Emails:**

You may forward emails that come to your McLennan address to alternate email addresses; however, the College will not be held responsible for emails forwarded to an alternate address that may be lost or placed in junk or spam filters.

For more helpful information about technology at MCC, go to [MCC's Tech Support Cheat Sheet](#) or email [helpdesk@mclennan.edu](mailto:helpdesk@mclennan.edu).

**Disclaimer:**

The resources and policies listed above are merely for informational purposes and are subject to change without notice or obligation. The College reserves the right to change policies and other requirements in compliance with State and Federal laws. The provisions of this document do not constitute a contract.